

Remarks

Claims 381-394, 398-400, 402-406, 413-415, 419-434 and 436-466 are currently pending in the Application and Claims 387-391, 414, 436-447, 451-452 and 454-466 are herein canceled without prejudice.

Claim objections

The Examiner objects to Claims 442 and 451 because of typographical errors. Applicants submit that Claims 442 and 451 have been canceled and request that the objection be withdrawn.

The Examiner objects to Claim 389 for allegedly not using industry established terms. Applicants submit that Claim 389 has been canceled and request that the objection be withdrawn.

35 U.S.C. §112, second paragraph, rejections

Claims 381-395, 398-400, 405, 413-414, 429, 432-434, 448-453 and 458-466 stand rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicants regard as the invention. Applicants submit that the rejected claims have been either amended or canceled and request that the objections be withdrawn.

Allowable claims

In view of the above amendments, Applicants submit that Claims 381 and 434 are patentable because the Examiner did not reject Claims 381 and 434 in view of the prior art.

35 U.S.C. §103(a) rejections in view of White, Edholm and Black

Claims 406 and 442-443, 445-447 stand rejected under 35 U.S.C. §103(a) as being obvious in view of White (U.S. Patent No. 6,069,890), Edholm (U.S. Patent No.

6,449,269) and further in view of Black (ISDN and SS7, Prentice Hall, 1997, pages 223-248).

Claims 442-443 and 445-447

Applicants submit that Claims 442-443 and 445-447 have been canceled without prejudice.

Claim 406

Applicants submit that White, Edholm and Black do not disclose, suggest or teach, *inter alia*, “using a circuit identification code (CIC) to carry out a communication” as recited in amended Claim 406. Hence, Claim 406 is patentable over White, Edholm and Black and should be allowed by the Examiner.

35 U.S.C. §103(a) rejections in view of Ferris and Black

Claims 419-423, 426-428 and 430-433 stand rejected under 35 U.S.C. §103(a) as being obvious in view of Ferris (U.S. Patent No. 6,195,425) and further in view of Black (ISDN and SS7, Prentice Hall, 1997, pages 223-248).

Claim 419

Applicants submit that Ferris and Black do not disclose, suggest or teach, *inter alia*, “IP transfer network uses a circuit identification code (CIC) to carry out a communication control and includes one or more termination gateway and relay gateway, a connection control IP communication line and a voice IP communication line for telephones are separated, the termination gateway and the relay gateway respectively include a connection server, a connection server 1 in the termination gateway and a connection server 2 in the relay gateway have a function to carry out a connection control for the telephone communication, the telephone communication between telephones 1 and 2 is carried out via the telephone 1, a communication line, the termination gateway, an internal IP communication line in the IP transfer network, the relay gateway, a Network to Network Interface (NNI) communication line, a public switched telephone network, a telephone line and the telephone 2” as recited in amended Claim 419. Hence, Claim 419

is patentable over Ferris and Black and should be allowed by the Examiner. Claims 420-423 and 426-428, at least based on their dependency on Claim 419, are patentable over Ferris and Black and should be allowed by the Examiner.

Claim 430

Applicants submit that Ferris and Black do not disclose, suggest or teach, *inter alia*, “using a circuit identification code (CIC) to carry out a communication control” as recited in amended Claim 430. Hence, Claim 430 is patentable over Ferris and Black and should be allowed by the Examiner.

Claim 431

Applicants submit that Ferris and Black do not disclose, suggest or teach, *inter alia*, “using a circuit identification code (CIC) to carry out a communication control” as recited in amended Claim 431. Hence, Claim 431 is patentable over Ferris and Black and should be allowed by the Examiner.

Claim 432

Applicants submit that Ferris and Black do not disclose, suggest or teach, *inter alia*, “the connection server on the telephone calling side determines a circuit identification code (CIC) for inter-terminal communication within the IP transfer network by employing both a telephone number provided on the telephone calling side and a telephone number provided on a call reception side, and produces an initial address message (IAM) for setting telephone calling” (emphasis added) as recited in amended Claim 432. Hence, Claim 432 is patentable over Ferris and Black and should be allowed by the Examiner. Claim 433, at least based on its dependency on Claim 432, is patentable over Ferris and Black and should be allowed by the Examiner.

35 U.S.C. §103(a) rejections in view of White, Black, Edholm and Champa

Claim 444 stands rejected under 35 U.S.C. §103(a) as being obvious in view of White, Black, further in view of Edholm and Champa (U.S. Patent No. 6,934,278).

Claim 444

Applicants submit that Claim 444 has been canceled without prejudice.

35 U.S.C. §103(a) rejections in view of Voit and Champa

Claims 393-394 and 398-399 stand rejected under 35 U.S.C. §103(a) as being obvious in view of Voit (U.S. Patent No. 6,104,711) and Champa (U.S. Patent No. 6,934,278).

Claims 393-394

Applicants submit that Claims 393-394 have been amended to depend from Claim 381. Hence, Claims 393-394, at least based on their dependency on Claim 381, are believed to be patentable over Voit and Champa and should be allowed by the Examiner.

Claim 398

Applicants submit that Voit and Champa do not disclose, suggest or teach, *inter alia*, “using a circuit identification code (CIC) to carry out a communication control” as recited in amended Claim 398. Hence, Claim 398 is patentable over Voit and Champa and should be allowed by the Examiner. Claim 399, at least based on its dependency on Claim 398, is patentable over Voit and Champa and should be allowed by the Examiner.

35 U.S.C. §103(a) rejections in view of White and Reshef

Claims 402-403, 413, 415, 436-441 and 448-466 stands rejected under 35 U.S.C. §103(a) as being obvious in view of White and further in view of Reshef (U.S. Patent No. 6,321,337).

Claims 436-441, 451-452 and 454-466

Applicants submit that Claims 436-441, 451-452 and 454-466 have been canceled without prejudice.

Claim 402

Applicants submit that White and Reshef do not disclose, suggest or teach, *inter alia*, “IP

transfer network uses a circuit identification code (CIC) to carry out a communication control” as recited in amended Claim 402. Hence, Claim 402 is patentable over White and Reshef and should be allowed by the Examiner. Claims 403 and 415, at least based on their dependency on Claim 402, are patentable over White and Reshef and should be allowed by the Examiner.

Claim 413

Applicants submit that White and Reshef do not disclose, suggest or teach, *inter alia*, “IP transfer network uses a circuit identification code (CIC) to carry out a communication control” as recited in amended Claim 413. Hence, Claim 413 is patentable over White and Reshef and should be allowed by the Examiner. Claim 403, at least based on its dependency on Claim 402, is patentable over White and Reshef and should be allowed by the Examiner.

Claims 448-450

Applicants submit that White and Reshef do not disclose, suggest or teach, *inter alia*, “said IP transfer network includes a connection phase and a communication phase and registers a record including at least a telephone number, a communication start time and a communication end time” (emphasis added) as recited in amended Claim 448. Hence, Claim 448 is patentable over White and Reshef and should be allowed by the Examiner. Claims 449-450, at least based on their dependency on Claim 448, are patentable over White and Reshef and should be allowed by the Examiner.

Claim 453

Applicants submit that Claim 453 has been amended to depend from Claim 381. Hence, Claim 453, at least based on its dependency on Claim 381, is believed to be patentable over White and Reshef and should be allowed by the Examiner.

35 U.S.C. §103(a) rejections in view of Kung

Claim 429 stand rejected under 35 U.S.C. §103(a) as being obvious in view of Kung (U.S. Patent No. 6,252,952).

Claim 429

Applicants submit that Kung does not disclose, suggest or teach, *inter alia*, “said relay control unit includes a telephone administration server, a telephone number server, a connection server, and a table administration server; and among IP packets entered from an external line to the network node apparatus, a telephone call control IP packet is transferred to the relay control unit, and a voice IP packet is transferred to a voice IP communication line for a voice communication” (emphasis added) as recited in amended Claim 429. Hence, Claim 429 is patentable over Kung and should be allowed by the Examiner.

Conclusion

In view of the above, reconsideration and allowance of all the claims are respectfully solicited.

The Commissioner is authorized to charge any additional fees which may be required or credit overpayment to deposit account no. 12-0415. In particular, if this response is not timely filed, then the Commissioner is authorized to treat this response as including a petition to extend the time period pursuant to 37 CFR 1.136 (a) requesting an extension of time of the number of months necessary to make this response timely filed and the petition fee due in connection therewith may be charged to deposit account no. 12-0415.

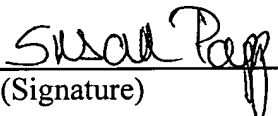
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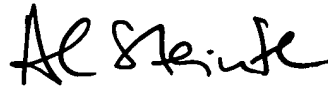
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Respectfully submitted,



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